

SOV/78-4-2-30/40

5(4)

AUTHORS:

Tananayev, I. V., Vorontsova, A. A.

TITLE:

The Interaction Between the Ions MoO_4^{2-} and $\text{C}_2\text{O}_4^{2-}$ in Aqueous Solution (Vzaimodeystviye mezdu ionami MoO_4^{2-} i $\text{C}_2\text{O}_4^{2-}$ v vodnom rastvore)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 2,
pp 445-456 (USSR)

ABSTRACT:

The dependence of the interaction between $\text{Na}_2\text{MoO}_4^{2-}$ and $\text{C}_2\text{O}_4^{2-}$ ions on the acidity of the medium was investigated. Iso-molar series and series with a constant Na_2MoO_4 concentration were produced for the determination. Recrystallized preparations of $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$, $\text{H}_2\text{C}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$, and $\text{Na}_2\text{C}_2\text{O}_4$ were used as initial materials. The solubility of the systems $\text{Na}_2\text{MoO}_4 \cdot \text{H}_2\text{C}_2\text{O}_4 \cdot \text{H}_2\text{O}$, $\text{Na}_2\text{MoO}_4 \cdot \text{H}_2\text{SO}_4 \cdot \text{H}_2\text{O}$, $\text{Na}_2\text{MoO}_4 \cdot \text{Na}_2\text{C}_2\text{O}_4 \cdot \text{H}_2\text{O}$, $\text{Na}_2\text{C}_2\text{O}_4 \cdot \text{H}_2\text{C}_2\text{O}_4 \cdot \text{H}_2\text{O}$, and $\text{Na}_2\text{MoO}_4 \cdot \text{Na}_x\text{H}_{2-x}\text{C}_2\text{O}_4 \cdot \text{H}_2\text{O}$ was investigated. At the ratio $\text{H}_2\text{C}_2\text{O}_4 : \text{Na}_2\text{MoO}_4 = 1$ a break appears, as can be seen from the

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. The Interaction Between the Ions MoO_4^{2-} and $\text{C}_2\text{O}_4^{2-}$ in Aqueous Solution

course of the solubility curves. The quantity Δn has negative values throughout the whole course. In the interaction in the systems mentioned, the hydrogen ion-concentration in the solution is of special importance for the progress of the reaction. The interaction of MoO_4^{2-} ions with $\text{C}_2\text{O}_4^{2-}$ ions is

favored by the hydrogen ions. The hydrogen ions bind the O^{2-} ions of molybdate in water, and thus the equilibrium is shifted to the right. The formation reaction of the complex ion

$[\text{MoO}_3(\text{C}_2\text{O}_4)]^{2-}$ suppresses the formation of isopoly acids.

Therefore, the formation of isopoly acid has no considerable influence upon the interaction between Na_2MoO_4 and $\text{H}_2\text{C}_2\text{O}_4$. In

the system $\text{Na}_2\text{MoO}_4-\text{H}_2\text{SO}_4-\text{H}_2\text{O}$, however, the formation of iso-

poly acid is of primary importance. In systems of the type

$\text{Na}_2\text{MoO}_4-\text{Na}_x\text{H}_{2-x}\cdot\text{C}_2\text{O}_4-\text{H}_2\text{O}$ the complex ion $[\text{MoO}_3(\text{C}_2\text{O}_4)]^{2-}$ is

formed if the values for x range from 0 to 1. There are 14 figures, 6 tables, and 14 references, 4 of which are Soviet.

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SOV/78-4-2-30/40
The Interaction Between the Ions MoO_4^{2-} and $\text{C}_2\text{O}_4^{2-}$ in Aqueous Solution

ASSOCIATION: Moskovskiy inzhenerno-fizicheskiy institut (Moscow
Engineering and Physics Institute)

SUBMITTED: March 7, 1957

Card 3/3

VORONTSOVA, A.A.

Solubility of MoO_3 , W_3 , $\text{MoO}_3 \cdot 2\text{H}_2\text{O}$ in oxalic acid solutions.
Zhur. neorg. khim. 5 no. 12:2843-2844 D '60. (MIRA 13:12)
(Molybdenum oxide) (Tungsten oxide) (Oxalic acid)

VORONTSOVA, A. A., TANAHAYEV, I. V.

Interaction between Na_2WO_4 and C_2O_4 ions in aqueous. Zhur. neorg. khim. 5 no.4:964-968 Ap '60. (MIRA 13:7)

1. Moskovskiy inzhernero-fizicheskiy institut, kafedra khimii.
(Sodium tungstate) (Oxalic acid)

5.4/20
5.26/20
AUTHORS:

Vorontsova, A. A., Tananayev, I. V.

69031
S/078/60/005/04/035/040
B004/B016

TITLE:

On the Interaction Between Na_2WO_4 and
 $\text{C}_2\text{O}_4^{2-}$ Ions in Aqueous Solution

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1960, Vol 5, Nr 4, pp 964 - 968
(USSR)

ABSTRACT:

The authors investigated the dependence of the interaction between Na_2WO_4 and $\text{C}_2\text{O}_4^{2-}$ ions on the acidity of the solution by means of the method of the electric conductivity (audio oscillator LP-5-potentiometer). The system $\text{Na}_2\text{WO}_4 - \text{H}_2\text{C}_2\text{O}_4$ (NaHC_2O_4 , $\text{Na}_2\text{C}_2\text{O}_4$) - H_2O was investigated. To determine the deviation of the conductivity from the additivity, the dependence of the conductivity of the individual components on the concentration was measured in the first place (Fig 1). In the system $\text{Na}_2\text{WO}_4 - \text{H}_2\text{C}_2\text{O}_4 - \text{H}_2\text{O}$ three isomolar mixtures with 0.05, 0.1, and 0.25 mole/l were investigated (Table). In all three series the same behavior was found. Figure 2 indicates for the series 0.1 mole/l, that both κ_1 and $\Delta\kappa$ possess a pronounced minimum

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On the Interaction Between Na_2WO_4 and $\text{C}_2\text{O}_4^{2-}$ Ions in
Aqueous Solution

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at $n = 1.5$ ($n = \text{C}_2\text{O}_4/\text{Na}_2\text{WO}_4$). The same behavior was found in the series with constant concentration of Na_2WO_4 (Fig 3). The pH-measurements, however, indicate in the isomolar series a slow drop of pH at $n = 0.5$, then up to 1.5 - 2 a rapid drop and at $n > 2$ again a slow drop (Fig 4). The indistinct point of inflection of the curve may be assigned most probably to $n = 1$. At constant concentration of Na_2WO_4 pH drops linearly with increasing n (Fig 5).
In the systems $\text{Na}_2\text{WO}_4 - \text{Na}_2\text{C}_2\text{O}_4 - \text{H}_2\text{O}$ (Figs 6,7) and $\text{Na}_2\text{WO}_4 - \text{NaHC}_2\text{O}_4 - \text{H}_2\text{O}$ (Fig 8) only linear dependences were found, so that no chemical reaction of Na_2WO_4 with the two oxalates could be detected in these systems. For the system with free oxalic acid the authors assume the formation of complex compounds according to the equation $2\text{Na}_2\text{WO}_4 + 3\text{H}_2\text{C}_2\text{O}_4 \rightarrow \text{Na}_4\text{W}_2\text{O}(\text{C}_2\text{O}_4)_3 + 3\text{H}_2\text{O}$. The acid reaction of the solution may be caused by a partial hydrolysis of this complex. The authors quote a paper by G. S. Savchenko (Ref 5). There are 8 figures, 1 table, and 6 references, 2 of which are Soviet.

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69031

On the Interaction Between Na_2WO_4 and $\text{C}_2\text{O}_4^{2-}$ Ions in
Aqueous Solution

S/078/60/005/04/035/040
B004/B016

ASSOCIATION: Moskovskiy inzhenerno-fizicheskiy institut Kafedra khimii
(Moscow Institute of Physics and Engineering, Chair of
Chemistry)

SUBMITTED: January 27, 1959

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TANANAYEV, I.V.; VORONSOVA, A.A.

Reactions between the MoO_4^{2-} and $\text{C}_2\text{O}_4^{2-}$ ions in aqueous solutions.
Zhur.neorg.khim. 4 no.2:445-456 F '59. (MIRA 12:3)

1. Moskovskiy inzhenerno-fizicheskiy institut.
(Molybdates) (Oxalates)

VORONTSOVA, A.A.

Study of the formation reaction of alkaline earth carbonate by
the measurement of the volume of precepitates. Zhur.neorg.
khim. 7 no.12:2661-2664 D '62. (MIRA 16:2)
(Alkaline earth carbonates) (Precipitation (Chemistry))

VOKONTSOVA, A.I.

LKBEDeva, Natal'ya Alekseyevna; LKBEDEV, Nikolay Konstantinovich; SOLOV'YEV,
A.I., otvetstvennyy redaktor; VOKONTSOVA, A.I., redaktor; HGGINA, N.I.
tekhnicheskiy redaktor

[Elisée Reclus] Elize Rekliu. Moskva, Gos. izd-vo geogr. lit-ry,
1956. 39 p. (MIRA 9:9)
(Reclus, Elisée, 1830-1905)

VORONTSOV, V. N.

KLYUSHNIK, Petr Ivanovich; VORONTSOVA, A. I., redaktor; SVETLAYEVA, A. S.,
redaktor izdatel'stva; BACHURINA, A. M., tekhnicheskiy redaktor

[Guide to the wood-decaying fungi] Opredelitel' derevorazrushaiushchikh gribov. Moskva, Gosles'bumizdat, 1957. 138 p. (MLRA 10:7)
(Wood-decaying fungi)

VORONTSOV-VEL'YAMINOV, N.P., kandidat tekhnicheskikh nauk.

More efficient operation of a single bucket excavator in working
light soils. Mekh. trud. rab. 10 no.9:24-27 S '56. (MLRA 9:10)

(Excavating machinery)

VOROFTSOV - VEL'YAMINOV, Nikolay Pavlovich; GADZEVICH, V.I., inshener,
redaktor; BEGAK, B.A., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy
redaktor

[Walking drag-line excavator, model ESh-4/40] Shagaiushchii ekska-
vator-draglain ESh-4/40. Moskva, Gos.izd-vo lit-ry po stroit. i
arkhitekture. 1955. 70 p.
(Excavating machinery)

VORONTSOV-VEL'YAMINOV, N.P.

NELLYUDOV, Mikhail Konstantinovich; PUL'MANOV, Nikolay Viktorovich;
RYAKHIN, Viktor Aleksandrovich; VORONTSOV-VEL'YAMINOV, N.P.,
inzhener, redaktor; BURMISTROV, G.N., redaktor; RAKOV, S.I.,
tekhnicheskiy redaktor

[Assistant to the machinist in charge of diesel and electric
building excavators] Pomoshchnik mashinista dizel'nykh i elekt-
richeskikh stroitel'nykh ekskavatorov. Moskva, Vses.uchebno-
pedagog. izd-vo Trudrezervizdat, 1955. 439 p. (MIRA 9:3)
(Excavating machinery)

VORONSOVA, A.A. --

"An Investigation of the Compounds Obtained by the Reesterifucatuih of
the Ethyl Ester of Ethylphosphonic Acid With Unsaturated Glycerides."
Cand Tech Sci, Moscow Polygraphic Inst, 25 Oct 54. (VM, 12 Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

1. VORONSOVA, A.; LEVYANT, F.
2. USSR (600)
4. Metal Cutting--Bibliography
7. How we propagandize practices of innovators in industry. Klub no. 10 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

VORONTSOVA, A.L.

Procedure for testing antitumor substances by diffusion in
agar dishes. Dop. AN URSR no.1:100-102 '60.
(MIRA 13:6)

1. Institut fiziologii AN USSR im. A.A.Bogomol'tsa. Predstavle-
no akademikom AN USSR R.Ye.Kavetskim [R.I.M.Kavets'kym].
(CYTOTOXIC DRUGS)

BALITSKIY, K.P., kand.med.nauk; VORONTSOVA, A.L.; PRIDATKO, O.Ye.; SEREBRYANYY,
S.B., doktor khim.nauk; CHERNETSKIY, V.P., kand.khim.nauk; YURGANOVAYA,
L.G.

Anticancerous action of the preparation neocide and some of its fractions.
Vrach.delo no.9:927-930 S '59. (MIRA 13:2)

1. Laboratoriya kompensatornykh i zashchitnykh funktsiy (rukovoditel' -
akad. AN USSR R.Ye. Kavetskiy) Instituta fiziologii imeni A.A. Bogo-
mol'tsa AN USSR i laboratoriya organicheskogo sinteza (rukovoditel' -
akademik AN USSR A.I. Kipriyanov) Instituta organicheskoy khimii AN
USSR.

(ETHANE)

(CANCER)

BALITSKIY, K. P., kand. med. nauk; VORONTSOVA, A. L. (Kiyev)

Direct visual differentiation of live and dead ~~Barlich~~ ascites
cancer cells. Vrach. delo no. 3:151 Mr '62. (MIRA 15:7)

1. Laboratoriya patogeneza i patogeneticheskoy terapii (rukovo-
ditel' - kand. med. nauk K. P. Balitskiy) Ukrainskogo nauchno-
issledovatel'skogo instituta eksperimental'noy i klinicheskoy
onkologii.

(CANCER)

ANDREYEV, B.I.; VORONTOVA, A.N.; DANILOV, A.D.; KISTANOV, V.V.;
KOSTENNIKOV, V.M.; KUSHNER, A.I.; LEDOVSKIKH, S.I.;
LESNOV, M.F.; MALINOVSKIY, E.P.; MOSHKOVA, N.V.; MUKHIN,
G.I.; PASHKEVICH, V.I.; RZHEVUSKAYA, D.M.; SAVCHENKO, N.A.;
SKOBELYEV, D.A. [deceased]; LISOV, V.Ye., red.;
SAZANOVICH, N.K., red.

[Economic regions of the U.S.S.R.] Ekonomicheskie raiony
SSSR. Moskva, Ekonomika, 1965. 589 p. (MIRA 18:6)

1. Moscow. Institut narodnogo khozyaystva. 2. Kafedra
ekonomicheskoy geografii Moskovskogo instituta narodnogo
khozyaystva im. G.V.Plekhanova (for all except Lisov,
Sazanovich).

S/115/63/000/004/005/011
E191/E181

AUTHORS: Vorontsova A.V., and Galitskiy I.L.

TITLE: Precise inspection of holes

PERIODICAL: Izmeritel'naya tekhnika, no.4, 1963, 18-19

TEXT: Customary inspection methods permit measurement to an accuracy of about 2 microns. Better accuracies have been achieved by the authors when inspecting holes with diameters of 3 mm and above. A specimen gauge is a square or rectangular block similar to a slip gauge having in its centre a hole equal in size to the nominal value of the hole to be measured. The hole is lapped to an accuracy of 0.2 microns. The hole axis must be parallel to the four faces within 0.2 microns. The hole must be central in both directions within 0.5 microns. This gauge is calibrated with the help of an interferometer. The calibrated gauges are used as masters for comparison by means of a horizontal "optimeter" and yield the required accuracy. Another method is discussed, involving a fixture for internal measurements attached to a horizontal interferometer or optimeter. Modifications of this well-known method which ensure an improved accuracy are discussed

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Precise inspection of holes

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E191/E181

in detail. It is stated that, by means of the precautions described, particularly applied to the shackle used in this fixture, the accuracy can be improved from 2.5 to 0.5 microns. There are 2 figures.

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"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2

VORONSOVA, A.V.; GALITSKIY, I.L.

Precision check of holes. Izm.tekh. no.4:18-19 Ap '63.
(MIRA 16:5)
(Optical measurements)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2"

VORONTSOVA, A.V.; GALITSKIY, I.L.

Semiautomatic control of gauge blocks. Izm. tekhn. no.6:
8-9 Je '63. (MIRA 16:8)

(Gauge blocks)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2

VORONTSOVA, G. S. Cand Med Sci -- (diss) "Concerning Atypical Alcoholic Psychoses,"
Moscow, 1960, 14 pp, 250 copies (Gor'kiy Medical Institute im S. M. Kirov) (KL, 48/60, 115)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2"

VORONTSOVA, G.S.

Atypical alcoholic psychoses. Zhur.nev. i psich. 59 no.6:657-667 '59.
(MIRA 13:1)

1. Psichoneurologicheskaya bol'nitsa No.4 imeni Gannushkina (glavnnyy
vrach V.N. Rybalka), Moskva.
(PSYCHOSES, ALCOHOLIC, case reports,
atypical cases (Eus))

VORONTSOVA, G. V.

MALININ, S.N., doçent, kand.ekon.nauk, otv.red.; LUPINOVICH, I.S., doktor sel'skokhoz.nauk, akademik, zamestitel' otv.red.; URUSOV, V.V., otv.red. po vypasku; LUKASHEV, K.I., doktor geologo-mineral.nauk, akademik, red.; AVAKENT'YEV, A.N., kand.geologo-mineral.nauk, red.; ROGOVOY, P.P., doktor sel'skokhoz.nauk, akademik, red. Sostaviteli kart: BOBYLEVA, Ye.A.; VOLKOVA, V.V.; VORONTSOVA, G.V.; MARKOVA, N.T.; TIKHONRAVOVA, Ye.V.. IL'YUSHIN, I.M., kand.filosof.nauk, red.kart; KRAVCHENKO, I.S., kand.istor.nauk, red.kart; KUPREVICH, V.F., doktor biolog.nauk, akademik, red.kart; BURZGAL, T.S., red.-kartograf; GULYUK, G.I., red.-kartograf; LEVSHINOV, A.O., red.-kartograf; RUTKOVSKAYA, M.S., red.-kartograf; SVIRSKIY, A.S., red.-kartograf

[Atlas of the White Russian Soviet Socialist Republic] Atlas Belorusskoy Sovetskoy Sotsialisticheskoy Respubliky. Minsk, Akad.nauk BSSR. Glav.upr.geodez. i kartografii MVD SSSR, 1958. XIV, 140 maps. (MIRA 12:4)

1. Predsedatel' Gosplana BSSR (for Malinin). 2. AN BSSR; president Akademii sel'skokhoz.nauk BSSR (for Lupinovich). 3. Direktor Minskoy kartograficheskoy fabriki (for Urusov). 4. AN BSSR; viise-prezident AN BSSR (for Lukashev). 5. AN BSSR (for Rogovoy); 6. Chlen-korrespondent AN BSSR (for Il'yushin). 7. AN BSSR; chlen-korrespondent AN SSSR; prezident AN BSSR (for Kuprevich).
(White Russia-Maps)

L 22308-66 EWT(d) IJP(c)
ACCESSION NR: AP6005870

SOURCE CODE: UR/0406/65/001/003/0122/0126

33
27
8

AUTHOR: Vorontsova, I. P.

ORG: None

TITLE: Algorithms of the change in variable probabilities of stochastic
automatons /6

SOURCE: Problemy peredachi informatsii, v. 1, no. 3, 1965, 122-126

TOPIC TAGS: stochastic process, random process, automaton

ABSTRACT: The author attempts an analytic investigation of the behavior of a stochastic automaton with a variable structure in the simplest case, i.e., in a steady state random medium. The stochastic automaton is defined as an object with a finite number $m \geq 1$ of states a_1, a_2, \dots, a_m and a finite number $n \geq 1$ of inputs s_1, s_2, \dots, s_n . A stochastic automaton with a variable structure is defined as one with time variations on its transition probabilities. The investigation is restricted to automatons in which $n = m = r = 2$, i.e., automatons which have two states a_1 and a_2 , two inputs s_1 and s_2 , and two outputs f_1 and f_2 . The results are presented and are found to agree well with the results obtained for automatons operating in a continuous time. Thus, it is shown that it is possible

UDC: 62-507

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ACCESSION NR: AP6005870

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to select stochastic automata with a variable structure optimal in a steady state random medium with any possible values of the probability parameters P_1 and P_2 . Author is deeply grateful to V. I. Varshavskiy, A. M. Gersh, B. L. Ovsiyevich, I. I. Pyatetskiy-Shapiro, and M. L. Tsetlin for assistance in the work on this paper, and to M. A. Vus for computations performed on an electronic computer. Orig. art. has: 2 tables.

SUB CODE: 09 / SUBM DATE: 11Mar65 / ORIG REF: 003 / OTH REF: 001

Card 2/2 nst

VARSHAVSKIY, V.I. (Leningrad); VORONTSOVA, I.P. (Leningrad)

Behavior of stochastic automata with variable structure. Avtom.
1 telem. 24 no.3:353-360 Mr '63. (MIRA 16:4)
(Automatic control)

S/103/63/024/003/006/015
D405/D301

AUTHORS: Varshavskiy, V.I. and Vorontsova, I.P. (Leningrad)

TITLE: On the behavior of stochastic automata of variable structure

PERIODICAL: Avtomatika i tglemekhanika, v. 24, no. 3, 1963,
355-360

TEXT: The behavior of stochastic automata is considered which constitute a natural extension of the concept of a finite automaton. This paper is related to two earlier works by M.L. Tsetlin, who introduced the notion of useful behavior of an automaton. The results of this paper were presented jointly by the authors and M.L. Tsetlin at the session of the General Meeting of the Division of Biological Sciences of the Academy of Sciences, SSSR, devoted to the biological aspects of cybernetics (April 1962). An attempt is described at constructing a mathematical model which forms a structure ensuring useful behavior during the experiment itself; the behavior of the model is studied in comparison to finite automata whose struc-

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D405/D301

On the behavior ...

ture remains unchanged during the experiment. It was found that:
1) Stochastic automata whose structure is formed during their operation have useful behavior in random media; 2) In stationary random media the behavior of such automata is optimal; 3) A stochastic automaton forms its structure in a random medium by approximating an automaton with linear tactics; for a sufficient number of initial states the average number of fines (i.e. when the input variable $x_1 = 1$) for a stochastic automaton of variable structure coincides (in the limit) with the mean of the fines for a finite automaton with linear tactics and optimal number of states. The system medium-automaton is described by a homogeneous Markov chain. The formulas for the mean are derived. Some illustrative examples are given. An analytic study of the behavior of stochastic automata of variable structure in non-stationary random media is difficult mathematically. Yet many results can be obtained with the help of an analog computer. Various such experiments were conducted and the results plotted. The process of structure formation of a stochastic automaton can be regarded as a method of synthesis of a finite automaton by a given performance criterion. There are 3 figures.

SUBMITTED: July 9, 1962

Card 2/2

VORONSOVA, I.P.

Algorithms for changing transition probabilities of stochastic
automata. Probl. pered. inform. 1 no.3:122-126 '65.
(MIRA 18:11)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2

ZAKHAROV, M.V.; PUTSYKIN, G.G.; STEPANOVA, M.V.; TIKHONOV, B.S.;
VORONTSOVA, L.A.

High strength copper conductor alloys. Issl. splav. tsvet. met.
no.4:239-244 '63. (MIRA 16:8)

(Copper alloys--Electric properties)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2"

34155

S/196/62/000/002/001/023
E194/E155

9,2165 (1001,1331,1482)

AUTOR: Putsykin, G.G., and Vorontsova, L.A.

TITLE: The properties of bimetallic copper-steel and
copper-aluminium conductorsPERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika,
no.2, 1962, 4, abstract 2B 13. (Vestnik
elektroprivyti, no.8, 1961, 8-11).TEXT: Promising substitutes for copper are conducting
bimetallic sheets of aluminium or low-carbon steel copper-clad on
one or both sides by rolling, during which process the copper is
bonded to the aluminium or the steel over the whole surface of
contact by the formation of a diffusion layer. Bimetallic
conductors are sometimes even superior to copper. Studies were
made of copper-steel and copper-aluminium conductors from 0.5 to
5 mm thick, coated on one and on two sides. The bonding is
secure and withstands bending and other kinds of deformation.
The specific resistance of the Cu-Al conductor with a 40% Cu
layer is 0.024-0.26 ohms.mm²/m, whilst that of Cu-steel with
5% Cu is 0.12 ohms.mm²/m. The mechanical properties of the

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The properties of bimetallic ...

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S/196/62/000/002/001/023
E194/E155

Cu-Al material with a copper thickness of 40% and a sheet thickness between 0.5 and 3 mm are as follows: ultimate strength 23 - 18 kg/mm²; relative elongation 7 - 18%. The mechanical properties of copper-steel with a copper thickness of 5 - 20% and sheet thickness from 1 to 5 mm are: yield point 35 - 21 kg/mm², ultimate strength 41 - 27 kg/mm²; relative elongation 20 - 45%. Pressing and bending tests showed that both materials are of excellent ductility. Electrical and mechanical test results for the material are given.

[Abstractor's note: Complete translation.]

Card 2/2

83241

S/129/60/000/009/006/009
E193/E483

9.2165

AUTHORS: Zakharov, M.V., Doctor of Technical Sciences, Professor.
Putsikin, G.G. and Stepanova, A.V., Candidates of
Technical Sciences and Vorontsova, L.A., Engineer

TITLE: High Conductivity, Heat-Resistant Copper-Base Alloys[✓]

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov,
1960, No.9, pp.25-29

TEXT: The object of the present investigation was to develop a copper-base alloy with electrical conductivity no lower than 90 to 95% of that of pure copper, yield point no less than 15 kg/mm² and elongation no less than 20 to 30%, the additional requirement being that the alloy should retain these properties after prolonged heating at 170 to 200°C. To this end, Cu-Ag, Cu-Cr, Cu-Zr, Cu-Cr-Cd and Cu-Cr-Zr alloys with various contents of the alloying additions, were examined. It was concluded that binary alloys containing 0.12% Cr or 0.2% Zr, and ternary alloys with 0.2% Cr and 0.15% Cd, or 0.15% Cr and 0.10% Zr, are most promising. The room temperature properties of these alloys are as follows: yield point - 16 to 23 kg/mm²; U.T.S. - 29 to 36 kg/mm²; elongation - 21 to 24%; conductivity - 88 to 95% of

Card 1/2

83241

S/129/60/000/009/006/009
E193/E483

High Conductivity, Heat-Resistant Copper-Base Alloys

that of copper grade MO. The alloys retain their properties after 1000 h at 200°C. Even at 220°C, the yield point of these alloys remains at 15 to 18 kg/mm², U.T.S. at 22 to 31 kg/mm² and elongation at 20 to 29%. It was concluded that the alloy containing 0.15 to 0.3% chromium should be first subjected to large-scale industrial tests, the alloy containing 0.15 to 0.2% Cr and 0.1 to 0.2% Zr being more suitable for critical applications in which the conducting elements operate at 250 to 350°C. There are 2 figures, 4 tables and 7 references: 3 Soviet and 4 English.

Card 2/2

VORONTSOVA, L.

Telegraphers

Mastery. Sov. sviaz. 3, no. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

PUTSYKIN, G.G., kand.tekhn.nauk; VORONSOVA, L.A., inzh.

Properties of copper-steel and copper-aluminum semiconductors from
bimetallic materials. Vest.elektroprom. 32 no.8:8-11 Ag '61.
(MIRA 14:8)

(Semiconductors)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2

PUTSYKIN, G.G., kand.tekhn.nauk; VORONTSOVA, L.A., inzh.

Conductive aluminum alloys. Elektrotehnika 36 no.1:36-37 Ja '65.
(MIRA 18:3)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2

VORONTSOVA, Iembov, Andreyevna; POMERANTSEVA, G., redaktor; SHUVALOV, I.,
tekhnicheskiy redaktor

Sof'ia Kovalevskaya, 1850-1891. [Moskva] Izd-vo TgK VLKSM "Molodaja
gvardija," 1957. 340 p. (MLRA 10:10)
(Kovalevskaya, Sof'ia Vasil'evna, 1850-1891)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2"

USSR/Virology. Human and Animal Viruses (Poliomyelitis Virus)

Abs Jour: Ref Zhur-Biol., No 14, 1958, 62134.

Author : Paktoris, E.A., Vorontsova, L.A.

Inst :

Title : Clinico-Epidemiologic Characteristics of
Poliomyelitis Morbidity in the Lithuanian SSR
in the Year 1956.

Orig Pub: Zh. mikrobiol., epidemiol. i immunobiol., 1957,
No 12, 108-113.

Abstract: No abstract.

Card : 1/1

VORONTSOVA, L.A.

PAKTORIS, Ye.A.; VORONTSOVA, L.A.

Clinical and epidemiological characteristics of poliomyelitis in Lithuania in 1955. Zhur.mikrobiol. epid. i immun. 28 no.10:129-134 O '57. (MIR 10:12)

1. Iz Vil'nyusskogo gosudarstvennogo universiteta i Sanitarno-epidemiologicheskogo upravleniya Ministerstva zdrevoohraneniya Litovskoy SSR.

(POLIOMYELITIS, epidemiology,
in Lithuania (Rus))

VORONTSOVA, L.A.
PAKTORIS, Ye.N.; VORONTSOVA, L.A.

Clinical epidemiological characteristics of poliomyelitis morbidity
in Lithuania in 1956. Zhur.mikrobiol.epid. i immun.28 no.12:108-113
(MIRA 11:4)
D '57.

1. Iz Vil'nyusskogo gosudarstvennogo universiteta i Sanitarno-
epidemiologicheskogo upravleniya Ministerstva zdravookhraneniya
Litovskoy SSR.
(POLIOMYELITIS, epidemiology,
in Lithuania (Rus)

85994

54600 1273, 1241, 1153

S/070/60/005/005/018/026/XX
E132/E160

AUTHORS: Vorontsova, L.G., Zvonkova, Z.V., and Zhdanov, G.S.

TITLE: An X-ray Determination of the Crystal Structure of
Diparatolyldisulphide

PERIODICAL: Kristallografiya, 1960, Vol.5, No.5, pp.698-703

TEXT: The unit cell of crystals of $\text{CH}_3\text{C}_6\text{H}_4\text{S-S-C}_6\text{H}_4\text{CH}_3$
is monoclinic, space group $P2_1-C_2$, with $a = 14.86$, $b = 5.77$,
 $c = 7.69 \text{ \AA}$, $\beta = 94^\circ$, $Z = 2$, $d_{\text{obs.}} = 1.24$ and $d_{\text{calc.}} = 1.19$.

V.A. Koptsik has detected a piezoelectric effect in single crystals.
The 010 Patterson projection was calculated to locate the heavier
S atoms. The interpretation of the various S-S peaks was better
accomplished from the $P(x, t, z)$ section calculated with 763
reflexions. The 010 Fourier projection was calculated using the
signs from the S atoms and showed 7 carbon atoms resolved and 7
very blurred. The model of the structure thus found (where the
choice of S positions might have been made from three
possibilities) was confirmed by an a priori electron density
projection with signs derived from an application of the method

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S/070/60/005/005/018/026/XX
E132/E160

An X-ray Determination of the Crystal Structure of
Diparatolyldisulphide

of statistical inequalities. Seven stages of refinement were then carried out giving the following (x, z) atomic parameters:

S₁ (0.202, 0.141); S₂ (0.273, 0.127); C₃ (0.985, 0.327);
C₅ (0.815, 0.331); C₇ (0.029, 0.158); C₈ (0.329, 0.346);
C₉ (0.373, 0.359); C₁₀ (0.413, 0.510); C₁₂ (0.456, 0.825);
C₁₄ (0.318, 0.478). y S₁-S₂ = 0.307; S₂-C₁₂ = 0.240;
S₂-C₁₀ = 0.296.

The pairs C₁ and C₂, C₄ and C₆, C₁₁ and C₁₃ are not resolved in this projection as they are less than 0.7 Å apart. The S₁-S₂ distance was found to be 2.06 ± 0.02 Å from the three-dimensional line synthesis P(0.071, y, 0). The final reliability factor for the F(h0ℓ) layer was R = 0.26. The bond angles at the S atoms are 107°. The planes of the benzene rings are at 94° to each

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8/070/60/005/005/018/026/XX
E132/E160

An X-ray Determination of the Crystal Structure of
Diparatolyldisulphide

other. The dipole moment of 2.49D is in agreement with the
structure found.

There are 4 figures, 3 tables and 21 references: 4 Soviet,
7 English, 1 Belgian, 5 Scandinavian and 4 international.

ASSOCIATION: Fiziko-khimicheskiy institut im. L.Ya. Karpova
(Physico-Chemical Institute imeni L.Ya. Karpov)

SUBMITTED: February 23, 1960

Card 3/3

VORONSOVA, L.G.; ZVONKOVA, Z.V. ; ZHDANOV, G.S.

Model of the structure of 3,3'-diethylthiocarbocyanine
chloride as determined by the statistical method. Kris-
tallografiia 8 no.3:374-377 My-Je '63. (MIRA 16:11)

1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova.

VORONTSOVA, L.G.

USSR / Structural Crystallography.

E-3

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 9241

Author : Zhdanov, G.S., Zvonkova, Z.V., Vorontsova, L.G.

Inst : Physico-Chemical Institute imeni L.Ya. Karpov USSR

Title : X-ray-Structural Investigation of Methylene Blue Dye.

Orig Pub : Kristallografiya, 1956, 1, No 1, 61-65

Abstract : An investigation is made of the crystalline structure of methylene-blue dye $C_{16}H_{14}N_5S^+Cl^- \cdot n H_2O$, which crystallizes in the form of long needles of dark blue color with metal iridescence. The lattice parameters were refined and found to be $a = 9.68 \text{ \AA}$, $b = 31.86 \text{ \AA}$, $c = 7.074 \text{ \AA}$; $97^\circ 11'$. According to data of the F^2 series and with the aid of the isomorphic substitution of a bromine atom for a chlorine atom, a projection of the electron density on the (001) plane was constructed. This resulted in a principal model of the structure in the (001) projection, confirmed by geometric analysis. The nearest S-Cl distance, which equals 2.8 Å in the projection, exceeds considerably the length of the covalent bond, which is a

Card : 1/2

USSR / Structural Crystallography.

Z-3

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 9241

Abstract : confirmation of the ionic model of the structure. It is established that the nearest atom of the complex ion to the halide is the sulphur atom, and not the metal groups, as indicated previously (Taylor, W.H., Z. Kristallogr., 1935 A91, 450 -- 460). This is explained by the concentration of the positive charge on the S atoms. The hypothesis by Taylor concerning the isostructureness of the iodide and chloride of metal blue dye has not been confirmed.

Card : 2/2

VORONTSOVA, L.G.

Crystalline structure of methyl phenyl sulfone. Krj-tallografiia
10 no.2:187-193 Mr-Ap '65. MIRA 18:7)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo.

Vorontsova, L.G.

the double-eisit 2ECl₂HgCl₄.H₂O. $\text{CaCl}_2\text{HgCl}_2$ is polymorphic, with monoclinic, orthorhombic, and cubic modifications. The eisitic form has $a = 5.41 \pm 0.01 \text{ \AA}$ with slight indications for a tilting of the planes in the lower-symmetry modifications. The F_{obs} and F_{cal} residuals indicate a general fit for the $\text{CaCl}_2\text{HgCl}_2$ structure with Cl in the corner positions of the cube, Hg in the center of the cube. The Cl positions could be derived only from the calculated difference series, with rounded maxima at the centers of the projections in which 2 atoms lie, surrounding the centers of the Cl atoms in the salt cube. The arrangement of the atoms in the Cl and the Hg layers indicates that $a = 5.068 \text{ \AA}$, and the calculated $a = 5.022 \text{ \AA}$ and $c = 0.035 \text{ \AA}$ for $\text{CaCl}_2\text{HgCl}_2$ for $\alpha = 90^\circ$. The calculated $2\text{HgCl}_2 + 2\text{CaCl}_2 + 2\text{H}_2\text{O} \rightarrow \text{CaCl}_2\text{HgCl}_2 + \text{CaCl}_2\text{HgCl}_2 + 3.54 \text{ \AA}$. The structure is composed not of layers but of $\text{CaCl}_2\text{HgCl}_2$ units, linear Hg chains, and linear units HgCl_2 in complete agreement with the ratio of the intensities for the three types of reflections. This may perhaps be due to a small amount of $\text{CaCl}_2\text{HgCl}_2$. AsCl_3 (cf. Elliott and Fawcett, 1943; 1924) has a cubic and a tetragonal modification. The cubic structure with a statistical distribution of the Cl positions is of the covariant type similar to $\text{CaCl}_2\text{HgCl}_2$.

2

Sci Res Phys Chem Inst m. L. Ya Karpov

VORONTSOVA, L.G.

B-5

USSR/ Physical Chemistry - Crystals

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 10974

Author : Zhdanov G.S., Zvonkova Z.V., Vorontsova L.G.

Title : X-Ray Investigation of the Structure of Methylene-Blue Dyestuff

Orig Pub : Kristallografiya, 1956, 1, No 1, 61-65

Abstract : An investigation was made of the crystalline structure of Methylene Blue dye ($C_{16}H_{18}N_3S$) $^+Cl^- \cdot nH_2O$, which crystallizes in long dark-blue needles having a metallic luster. Ascertained were the lattice parameters: $a = 9.866$, $b = 31.869$, $c = 7.07$, $\alpha = 97^\circ 11'$. From F^2 -derives data and by means of isomorphous replacement of Cl atom by a Br atom, projection of electron density on (001) planes was plotted. As a result, a fundamental model of structure, in (001) projection, has been derived, which was confirmed by geometric analysis. Nearest S-Cl distance, equal to 2.8 Å in projection, exceeds considerably length of covalent bond, which provides a confirmation of an ionic model of structure. It was ascertained that the nearest to the halogen atom of the complex ion is the S atom and not the methyl groups as was previously reported (Taylor W.H., Z. Kristallogr., 1935, A91, 450-460). This is explained by concentration of positive charge at S atom. Taylor's

Card 1/2

USSR/ Physical Chemistry - Crystals

B-5

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 10974

assumption concerning isostructural nature of Methylene Blue iodide and hydrochloride was not confirmed.

Card 2/2

VORONTSOVA, L.G.; ZVONKOVA, Z.V.; ZHDANOV, G.S.

X-ray structure study of di-p-tolyl disulfide. Kristallografiia
5 no.5:698-703 S-O '60. (MIRA 13:10)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova.
(Sulfide)

DOLGIN, I.M., kand.geograf.nauk; NIKOLAYEVA, T.V., mladshiy nauchnyy sotrudnik; HASOVA, L.G., mladshiy nauchnyy sotrudnik; VORONTSOVA, L.I., mladshiy nauchnyy sotrudnik; DANILOVA, V.M., mladshiy nauchnyy sotrudnik; KOVROVA, A.M., mladshiy nauchnyy sotrudnik; SERGEYEVA, G.G., mladshiy nauchnyy sotrudnik; SMIRNOVA, V.N., mladshiy nauchnyy sotrudnik; KHARITONOVА, L.I., mladshiy nauchnyy sotrudnik; ALEKSANDROV, V.F., aerolog; KUZNETSOV, O.M., aerolog; MAYOROVA, L.A., aerolog; POSTNIKOVA, D.G., aerolog; SMIRNOVA, I.P., aerolog; VASIL'YEVA, R.P., tekhnik; MEDNIS, L.V., tekhnik; KHARITONOVА, V.A., tekhnik; KHRUSTALEVA, N.K., red.; DROZHZHINA, L.P., tekhn.red

[Aerological observations of Arctic stations during the period from June 30 through December 31, 1957] Aerologicheskie nabliudeniia poliarlykh stantsii s 30 iyunia po 31 dekabria 1957 g. Leningrad, Izd-vo "Morskoi transport," 1961. 994 p. (Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut Trudy, vol.243) (MIRA 14:11)

(Arctic regions—Meteorology—Observations)

VORNTSOVA, L. P. Cand Med Sci -- (diss) "Clinical peculiarities of pneumonia
in young children
in cases of dysentery in infants." Ivanovo, 1959. 19 pp (Ivanovo State Med
Inst), 200 copies (KL, 48-59, 116)

VORONTSOV, L.P.

VORONTSOV, L.P.

Pneumonia in dysentery according to materials of a children's hospital for infectious diseases. Pediatrilia no.4:83 Ap '57.
(MIRA 10:10)

1. Iz detskoy infektsionny bol'nitsy Petrozavodска.
(DYSENTERY) (PNEUMONIA)

VORONTSOVA, L.P.

pneumographic characteristic of respiration during pneumonia in children with dysentery. Pediatris no.4:83 ap '57. (MIRA 10:10)

1. Iz Kafedry detskikh infektsiy Ivanovskogo gosudarstvennogo meditsinskogo instituta)
(PNEUMONIA) (DYSENTERY) (RESPIRATION)

VORONTSOVA, M.

"The physiopathology of cancer." [In English]. Reviewed by M.
Vorontsova. Sov.probl.onk. 7 no.2:115-117 1955. (MLRA 8:5)

(CANCER)

VORONTOVA, Mariya Aleksandrovna

Asexual propagation and Reproduction, by M.A. Vorontsova and L. D. Liosner.
New York, London, Pergamon Press, 1960.

XXIV, 489 p. illus., diagrs., graphs.

Translated from the original Russian: Bespoloye Razmnozheniye i Regeneratsiya,
Moscow, 1957.

Bibliography: p. 457-474.

VORONTOV, N.I.; VORONTOVA, M.K.

Effusive-sedimentary nature of the Nikolayevskye pyrite deposit
in the Rudnyy Altai. Trudy SNIIGGIMS no.35:134-154 '64.
(MIRA 18:5)

VORONSOVA, M.K.; VORONSOV, N.I.; KHRISTOFOROV, B.S.

Ores of the Nikolayevka deposit in the Rudnyy Altai and the
oxygen compounds of lead, copper and zinc contained in them.
Trudy Alt.GMNII AN Kazakh.SSR 11:141-146 '61. (MIRA 14:8)
(Nikolayevka (Altai Territory)--Ore deposits)
(Oxygen compounds)

VORONTOVA, M. N.

VORONTOVA, M. N.= "The natural absorption of ionic crystals." Min Higher Education Ukrainian SSR. Odessa State U imeni I. I. Technikov. Odessa, 1956. (Dissertations for the Degree of Candidate in Physicomathematical Sciences).

SO: Knizhnays letopis' No. 22, 1956

CA
VORONTSOVA, M.T.

Electrolytic determination of copper in SDS (copper-chromium) steels. M.T. Vorontsova. Zavodskaya Lab. 6, N75-6(1937).—In the destr. of Cu in steels, contg. 0.022%, excellent results were obtained in 1.4 hrs. by electrolysis in H_2SO_4 , soln. at 20° with the Pfeiffer wire gauze cathode and revolving spiral anode. Rvap. a soln. of 2 g. steel in 40 cc. of 10% H_2SO_4 until the sepn. of sulfates begins, cool, add 5-7 cc. of concd. H_2SO_4 and boil 2-3 min., filter, wash the SiO_2 first with 1% H_2O_2 and then with H_2O and electrolyze the filtrate at 0.5-0.9 amp. and 2.6 v. (45 min.). Chas. Blanc

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

BEKHER, R.M.; Prinimala uchastiye VORONTSOVA, M.V.

Recovery of methanol vapors. Khim.prom. no.2:142-143 F '62.
(MIRA 15:2)

(Methanol) (Adsorption)

ARKHANGEL'SKIY, A.S., kand. tekhn. nauk; VASIL'YEV, N.V., kand. tekhn. nauk; GORDIYENKO, B.I., inzh.; SAMOYLOV, V.P., kand. tekhn. nauk; TERENETSKIY, L.N., inzh. Prinimali uchastiye: DEMESHKO, Ye.A., inzh.; KUBENEV, Kh.K., kand. tekhn. nauk; SMORODINOV, M.I., kand. tekhn. nauk; KHRAPOV, V.G., kand. tekhn. nauk; NIKOL'SKIY, I.S., inzh.; KATKOV, G.A., inzh.; VORONTSOVA, N.D., starshiy laborant; BLAGOSLAVOV, Yu.B., kand. tekhn. nauk, nauchnyy red.; SMIRNOVA, A.P., red. izd-va; IGNAT'YEV, V.A., tekhn. red.

[Underground mining in loose rocks] Prokhodka podzemnykh vyrobok v sypuchikh porodakh. Pod obshchei red. A.S. Arkhangel'skogo. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 205 p.

(MIRA 14:11)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut osnovaniy podzemnykh sooruzheniy. 2. Sotrudniki Laboratoriis metodov vozvedeniya podzemnykh sooruzheniy Nauchno-issledovatel'skogo instituta osnovaniy Akademii stroitel'stva i arkhitektury SSSR (for all except Blagoslavov, Smirnova, Ignat'yev).
(Mining engineering)

VORONTSOVA, N.F.

VIRGEY, A.P., klin.ordinator; VORONTSOVA, N.F., klin.ordinator

Disorders of salivary functions in organic brain diseases. Stomatologija no.1:31-33 Ja-F '55. (MLRA 8:5)

1. Iz kafedry nervnykh bolezney (zav.prof. V.V.Mikheyev) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. dotsent G.N.Beletsky).

(BRAIN, diseases,
salivary glands in)

(SALIVARY GLANDS, in various diseases,
brain dis.)

SOV/113-59-5-19/21

(
AUTHORS: Gel'fgat, D.B., Candidate of Technical Sciences;
Vorontsova, N.I.

TITLE: Critique and Bibliography

PERIODICAL: Avtomobil'naya promyshlennost', 1959, Nr 5, pp 46 -
47 (USSR)

ABSTRACT: The authors review the book by A.F. Feofanov "Raschety tonkostennykh konstruktsiy" (The Calculation of Thin-Walled Constructions), Oborongiz, 1953. The authors discuss the eight chapters of this book, stating that it might be a valuable aid for the automobile engineer for designing bodies, although the book was primarily intended for aircraft design.

ASSOCIATION: NAMI

Card 1/1

GEL'FGAT, D. B.; VORONTSOVA, N. I.; BELYAKOV, N. I.

Methods and equipment for testing the strength of motorbus bodies. Avt. prom. 28 no.9:18-21 S '62.

(MIRA 15:10)

(Motorbuses—Bodies—Testing)

VORONSOVA, N.S., starshiy prepodavatel'

Internal normalization of degenerate hypersurfaces of rank r
with a $(n-r+1)$ -dimensional vertex in $(n+1)$ -dimensional pro-
jective space. Trudy Chel. gos. ped. inst. 2:13-16 '64. (MR 18:9)

ATANASYAN, A.S. (Moskva); VORONTSOVA, N.S. (Chelyabinsk)

Special normalizations of degenerate hypersurfaces of
(n + 1)-dimensional projective space. Volzh. mat. sbor.
no.1:5-9 '63. (VIZRA 19:1)

ATANASOV, L.S.; VORONTSOVA, N.S.

Construction of the invariant equipment of a r-degenerate
hypersurface in n-dimensional projective space. Uch. zap.
MOPI no. 243:5-28 '65 (MIRA 19:1)

VORONCOVA, N.S.

Geodesic and principal lines of normalized hypersurfaces in
n-dimensional projective spaces. Uch. zap. MIPI no. 200
'63.

Hypersurfaces with general normalization in projective space.
Ibid., 99-108 (PMH 1716)

SHAGOVA, Ye.N., kand. tekhn. nauk; VORONTSOVA, N.V., mladshiy nauchnyy
sotrudnik

Required specifications of tow to be processed on ~~copy~~ ~~copy~~
Nauch.-issl. trudy TSNII Shersti no.17:52-56 '62.
(MIRA 17:12)

SHAGOVA, Ye.N., kand.tekhn.nauk; VORONTSOVA, N.V., mlndshiy nauchnyy so trudnik

Technology of the processing of converter silver in worsted
manufacture. Nauch.-issl.trudy TSNIIShersti no.18:52-62 '63.
(MIRA 18:1)

PA 243T55

VORONTOVA, O. A.

USSR/Geography - Central Asia

Jan/Feb 53

"The Natural and Economic Conditions for Development of Horticulture in the Issyk-Kul' Basin, and Prospects for Conversion of the Basin Into an Important Component of Central Asia's Fruit Zone,"
O. A. Vorontsova and S. N. Ryazantsev, Geog Inst,
Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geograf" No 1, pp 49-57

Subject zone includes such regions as Southern Kazakhstan, the Alma-Ata region, Dzhambulo-Chimkent, all of Talaes Area of northern Kirgizia, Frunze and Issyk-Kul' Areas, and most of eastern Uzbekistan, together with the oases around Tashkent.

243T55

ALEKSEYENKO, V.I.; VORONSOVA, O.I.

Compatibility of polyamides with other polymers. Kozh.-otuv.
prom. 7 no.9:20-23 S '65. (MIRA 18:9)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2

VORONTSOVA, O.I., starshiy nauchnyy sotrudnik; ALEKSEYENKO, A.I., kand.
tekhn.nauk; PAVLOV, S.A., prof., doktor tekhn.nauk

Testing polyamide resins. Kozh.-obuv.prom. no.1:24-26 Ja '59.
(MIRA 12:6)

(Resins, Synthetic) (Leather, Artificial)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2"

L 14172-66 EWT(m)/EWP(j)

WW/RM

ACC NR: AP6003935

SOURCE CODE: UR/0374/65/000/005/0003/0012

AUTHOR: Sukhareva, L. A. (Moscow); Voronkov, V. A. (Moscow); Kalinina, L. Ye. (Moscow); Kharlamova, A. N. (Moscow); Zubov, P. I. (Moscow); Vorontsova, O. I. (Moscow)

ORG: none

TITLE: Investigation of elastomers on the basis of binary and ternary systems

SOURCE: Mekhanika polimerov, no. 5, 1965, 3-12

TOPIC TAGS: elastomer, synthetic rubber, polyamide, polyvinyl chloride, ~~physicomechanical property~~, ~~solid mechanical property~~, thermophysical property

ABSTRACT: Physicomechanical and thermophysical properties of elastomers on the basis of binary and ternary systems with different ratios of polyamide, polyvinyl chloride (PVC), and rubber have been investigated. The binary and ternary systems with optimal physicomechanical properties were chosen on the basis of composition property diagrams. A nonmonotonic change of physicomechanical properties of films with a certain ratio of the PVC and nitrilo-acrylic acid was observed and is ascribed to chemical interaction. It was shown that stabilization of mechanical properties of polyamide in thermal aging can be accomplished by combin-

Card 1/2

UDC: 678.01.539.37

37

B

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2

L 14172-66

ACC NR: AP6003935

ation with binary systems. Orig. art. has: 11 figures and 1 table.
[Based on author's abstract].

SUB CODE: 11,07 / SUBM DATE: 05Apr65 / ORIG KEY: 008 / OTH KEY: 002

Card 2/2

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010011-2"

GORSHKOV, V.I.; VORONSOVA, O.N.; PANCHENKOV, G.M.; ASPANDIAROVA, S.S.

Equilibrium of alkaline earth metal ion exchange on the cation
exchanger KU-1 in hydrogen-form. Vest. Mosk. un. Ser. 2: Khim.
19 no. 5:47-52 S-0 '64. (MIRA 17:11)

1. Kafedra fizicheskoy khimii Moskovskogo universiteta.

VORONTSOVA, T.V.; MORGUNOVA, N.N.

Forging molybdenum and molybdenum-base alloys. Kuz.-shtam
proizv. 4 no.8:8-11 Ag '62. (MIRA 15:8)
(Forging) (Molybdenum)

VORONTSOVA, V. D.

KARMISHENSKIY, A.N., kand.tekhn.nauk; VORONTSOVA, V.D., inzh.;
IVANOV-SKOBLIKOV, P.V., red.; FREGER, D.P., tekhn.red.

[Submerged arc welding of joints of concrete reinforcements]
Elektrodugovaya vannaya svarka stykov armatury sheleno-betonnykh
konstruktsii. Leningrad, 1955. 11 p. (Leningradskii dom nauchno-
tekhnicheskoi propagandy. Informatsionno-tekhnicheskii listok,
no.3(51))

(Electric welding)

(MIRA 10:12)

VORONTSOVA, Excerpta Medica Sec.10 Vol.11/7 Obstetrics and
V.G. Gynaecology July 58

1076. THE TREATMENT OF EARLY AND LATE TOXAEMIAS OF PREGNANCY
BY INFLUENCING THE HIGHER NERVOUS ACTIVITY (Russian text) -
Vorontsova V. G. - SBORN. TRUD. KAF. AKUSH. I GINEK. IRKUTSK.
MED. INST. 1956 (150-160)

The clinical aspect of the toxæmias of pregnancy was studied in 232 women. The author considers that a suitable therapeutic action on the nervous system (protective regimen, bromides in association with caffeine, etc.) is of decisive importance in pregnancy and leads to recovery in 94% of cases. Conservative therapy combined with venesection is the method of choice in eclampsia (Stroganov-Brovkin method). Anaemic changes in blood morphology are observed in the toxæmias, and the more severe the toxæmia, the more pronounced is the anaemia. Accordingly the anaemia, together with all other concomitant disorders, should be actively treated at the same time as the toxæmia. In this connection, early hospitalization is all-important. (S)

VORONTSOVA, V.G.

Pregnancy and labor following heart surgery. Akush. i gin. 36
no. 2:114-115 Mr-Ap '60. (MIRA 13:12)
(HEART-SURGERY) (PREGNANCY, COMPLICATIONS OF)

VORONYANSKIY, V.I. [Voronians'kyi, V.I.]

Free and bound ascorbic acid in different parts of the gastro-intestinal tract of animals. Ukr.biokhim.zhur. 31 no.1:127-133 '59. (MIRA 12:6)

1. Department of Biochemistry of the Khar'kov Veterinary Institute.
(ASCORBIC ACID) (ALIMENTARY CANAL)

VORONTSOVA, V.I.

CAND MED SCI

Dissertation: "Clinical and Medical Treatment of Primary-Chronic Diaphysary Osteomyelitis."

11 Oct 49

Central Inst for the Advanced Training of Physicians

SO Vecheryaya Moskva
Sum 71

VORONTSOVA, V.S.

Pre-epiglottic space and its clinical significance. Vest. otorin.
(MIRA 15:9)
no. 5:30-35 '62.

1. Iz kliniki bolezney ukha, nosa i gorla (zav. - prof. I.I. Potapov) i kafedry klinicheskoy anatomii i operativnoy khirurgii (zav. - chlen-korrespondent AMN SSSR prof. B.V. Ognev) TSentral'-nogo instituta usovershenstvovaniya vrachey, Moskva.
(EPIGLOTTIS)

LAYEVSKAYA, G.I. [Laievs'ka, H.I.]; VORONTSOVA, Ye.O.

Using the hot vulcanization method for the manufacture of foot-
wear from Russian leather. Leh.prom. no.3147-49 Jl-S '63.
(MIRA 16:11)

1. Kiyevskaya obuvnaya fabrika No.1.

VORONTSOVA, Ya. O.; ZIL'BERMAN, L. Ye.

Conveyer press for gluing rubber soles to leather insoles.
Kozh.-obuv.prom. 3 no.3:29-31 Mr '61. (MIRA 14:6)
(Boots and shoes, Rubber)
(Gluing)

VORONTSOVA, Ya.O.; NERUSH, T.F.

Attachment for the automatic stitching on of boot tabs. Leh.prom.
no.4:55-56 O-D '62, (MIRA 16:5)

1. Kiyevskaya obuvnaya fabrika No.1.
(Shoe machinery)

USSR/Soil Science - Biology of Soils,

J.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67924

Author : Bernard, V.V., Vorontsova, Ye.A.

Inst : All-Union Scientific Research Institute of Fertilizers and Agricultural Soil Science.

Title : Adaptability of Nitrogen Bacteria in Peat-Podzol Soil in the Presence of Various Sources of Organic Material.

Orig Pub : Byul. nauchn-tekh. inform. Vses. n.-i. in-t udobr. i agropochivovcd., 1956, No 2, 15-19.

Abstract : Adding 3-month and 9-month compost to neutralized peat-podzolic soil had no significant effect on the multiplication of Azotobacter: through the 100 days of the experiment its quantity varied from several hundred to several thousand per gram of soil. When glucose was present, the Azotobacter multiplied energetically (up to 3-9 million

Card 1/2

VORONSOVA, YE.
25/98

I S'ezd sanitarno-epidemiologicheskikh. Rabotnikov Uzbekskoy SSR. (Tashkent, Fevr. 1948 G.) Gigiena I Sanitariya, 1948, No. 7, S.55-58.

SO: LETOPIS NO. 30, 1948

VORONTSOVA, YE.

PA 26/49T6F

USSR/Medicine - Hygiene and Sanitation Jul 48
Medicine - Epidemiology

"First Meeting of the Sanitation Epidemiological
Workers of the Uzbek SSR," Ye. Vorontsova, Ye.
Meyerson, 2 $\frac{1}{2}$ pp

"Gig i San" No 7

Reports Meeting in Tashkent in Feb 48, their dis-
cussions on Twelfth All-Union Meeting of Med
Scientists, the activity of Uzbek SSR sanitation
organization for the last 30 years, and their tasks
in the Fourth Five-Year Plan.

FDB

26/49T68

USSR/Medicine - Diseases and Poisoning

Medicine - Industry and Occupations

Apr 49

"Problems of the Action on the Organism of Aerosol Control Which Forms in Electric Welding With Manganese Electrodes," Ye. I. Vorontsova, Hygiene Dept., Inst of Labor Hygiene and Occupational Diseases, Acad Med Sci USSR, 7 pp

"GIG 1 San" No 4.

PA 56/49F56
Concentration of aerosol under the guard is shown to be relative to position of the welder in relation to the arc. Inhalation of 50-110 mg/m³ aerosol containing 8-10% of manganese is shown toxic to man. Local filters are effective for welding of small parts, and circulation of air in the guard is very effective for fixed working at the site of welder. Best rate of circulation is found to be 30 cu m per hour. Tabulation of data on diseases of electric welders, however, shows no higher morbidity rate than among other industrial workers.

56/49F56

VORONTSOVA, Ye. I.

Scientific session of the Institute of Industrial Hygiene and Occupational Diseases of the Academy of Medicine of USSR with participation of institutes of industrial hygiene and occupational diseases of the Soviet Republics. Gig. sanit., Moskva no.7:53-55 July 1951. (CIML 21:1)

1. Includes reference to use of Pavlovian techniques.

VORONTSOVA, YE. I.

USSR/Medicine - Purification of Air

Oct 51

"Conference on Methods for Determining the Concentration of Air With Dust," L. I. Baron, Ye. I. Vorontsova

"Sib 1 San" No 10, pp 56-58

The Commission on Combating Silicosis, Acad Sci USSR, and the Inst. of Labor Hygiene and Occupational Diseases, Acad Med Sci USSR, held 28, 29 Jun 51 a joint meeting at which standardization of existing methods for detg air dust and development of new methods were discussed. In the

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USSR/Medicine - Purification of Air
(Contd)

Oct 51

reports presented at the meeting, applications in the mining industry (particularly metal and ore mines) were emphasized.

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